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Product datasheet for SC117079

ATP6J (ATP6V1G1) (NM_004888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP6J (ATP6V1G1) (NM_004888) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP6V1G1
Synonyms:	ATP6G; ATP6G1; ATP6GL; ATP6J; Vma10
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004888, the custom clone sequence may differ by one or more nucleotides

ATGGCTAGTCAGTCTCAGGGGATTCAGCAGCTGCTGCAGGCCGAGAAGCGGGCAGCCGAGAAGGTGTCCG
AGGCCCGCAAAAGAAAGAACCGGAGGCTGAAGCAGGCCAAAGAAGAAGCTCAGGCTGAAATTGAACAGTA
CCGCCTGCAGAGGGAGAAAGAATTCAAGGCCAAGGAAGCTGCGGCATTGGGATCCCGTGGCAGTTGCAGC
ACTGAAGTGGAGAAGGAGACCCAGGAGAAGATGACCATCCTCCAGACATACTTCCGGCAGAACAGGGATG
AAGTCTTGGACAACCTCTTGGCTTTTGTCTGTGACATTCGGCCAGAAATCCATGAAAACTACCGCATAAA
TGGATAG

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004888 unedited GCACGAGGGCCGCTTGCCTTGCTCTCAGAATCGCTGCCGCCATGGCTAGTCAGTCTCAGG GGATTCAGCAGCTGCTGCAGGCCGAGAAGCGGGCAGCCGAGAAGGTGTCCGAGGCCCGCA AAAGAAAGAACCGGAGGCTGAAGCAGGCCAAAGAAGAAGCTCAGGCTGAAATTGAACAGT ACCGCCTGCAGAGGGAGAAAGAATTCAAGGCCAAGGAAGCTGCGGCATTGGGATCCCGTG GCAGTTGCAGCACTGAAGTGGAGAAGGAGACCCAGGAGAAGATGACCATCCTCCAGACAT ACTTCCGGCAGAACAGGGATGAAGTCTTGGACAACCTCTTGGCTTTTGTCTGTGACATTC GGCCAGAAATCCATGAAAACTACCGCATAAATGGATAGAAGAGAGAAGCACCTGTGCTGT GGAGTGGCATTTTAGATGCCCTCACGAATATGAAGCTTAGCACAGCTCTAGTTACATTCT TATGATATGGCATTAAATTATTTCCATATATTATATAATAGGTCCTTCCACTTTTTGGAG AGTAGCAAATCTAGCTTTTTTGTACAGACTTAGAAATTATCTAAAGATTTCATCT

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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004888 unedited
GCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTAAAAATGCATGACAGAGTC
TTTACTTTTAAATGATTATCGATACACCAAGTAATACATGTAACAAGTTCTTGAATTCTA
TCATCTAGTAATTTTGATTAAGAGAAACTAAAAGCAGCCCAAACAATTCCACTAGTATTC
ACTGTTCTAACCATTAGCAAGAATGGACTACTTTAAGGCTGGCTGCTGCTTCACACAGGT
TACAAAGAACTATTTACTACTTTTTCATAGATAAAGCCCCTGACCTTCAAGAAAGTGTTA
GGGAAAAAAATTATTTAATCCCTTCCTTTCTTCAAAGAATTGTTATGTGGTTTTTTTTTT
TTTAAACTAGATCTAAGAAAGAAAAAGTCAACACTGATATACATGTTGCTTGAGCCAAAA
GACATAGGAAAAAAAGACAACATATAACCATTAAATTCCTAAGAAATATGAGGTAAAAAG
ATGAAATCTTTAGATAATTTCTAAGTCTGTACAAAAAAGCTAGATTTGCTACTCTCCAAA
AAGTGGAAGGACCTATTATATAATATATGGAAATAATTTAATGCCATATCATAAGAATGT
AACTAGAGCTGTGCTAAGCTTCATATTCGTGAGGGCATCTAAAATGCCACTCCACAGCAC
AGGTGCTTCTCTCTTCTATCCATTTATGCGGTAGTTTTCATGGATTTCTGGCCGAATGTC
ACAGACAAAAGCCAAGAGGTTTGCCCAAGACTTTATCCCTGTTCTGCCCGAAGTTTGTCT
GGAGGATGGGCACTCTCTCCTGGGTCTCCTCTCCACTTAGTGCTGAACTGCACGGGATCC
CATGCCGCAGCTCCCTTGGCCTGAATCTTTCTCCCTTGAGGCGGGCTGTTAATTTAACTC
GGCTTTTCTTTGGCTGCTTAACCCCGGTTTTTTTTGGGAGGCTAGAAACTT

Restriction Sites: NotI-NotI

ACCN: NM_004888

Insert Size: 980 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

RefSeq: NM_004888.2, NP_004879.1

RefSeq Size: 1110 bp

RefSeq ORF: 357 bp

Locus ID: 9550

UniProt ID: O75348, A0A024R883

Domains: V-ATPase_G

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Gene Summary: This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of three V1 domain G subunit proteins. Pseudogenes of this gene have been characterized. [provided by RefSeq, Jul 2008]